

Name: \_\_\_\_\_ Period: \_\_\_\_\_

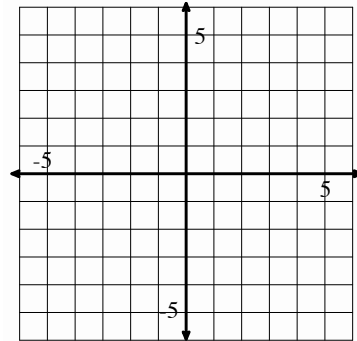
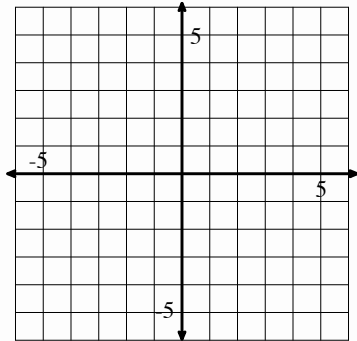
## An Honored Review for Quiz 1.2

1. Write the following equation in slope-intercept form then graph it, then write the equation in standard form and graph it

$$y = \frac{2}{3}x - 2$$

Slope-Intercept Form

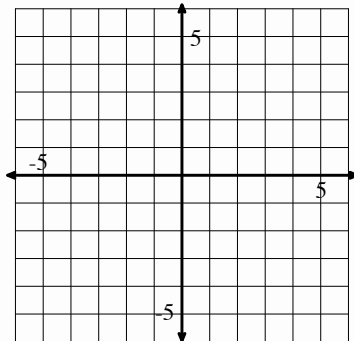
Standard Form



2. Decide if the following is an equation or an inequality, then graph it.

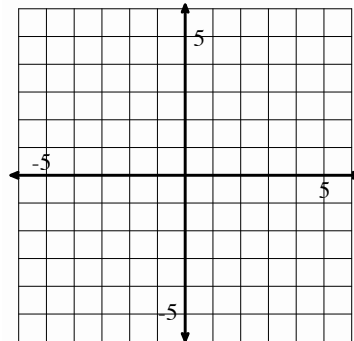
$$y = -\frac{4}{5}x + 4$$

**Equation or Inequality**



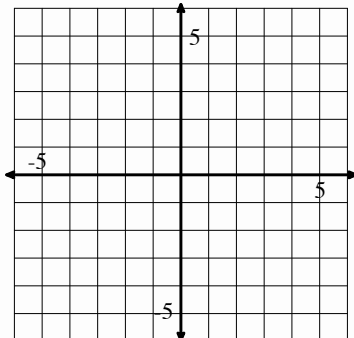
$$y \leq -\frac{4}{5}x + 4$$

**Equation or Inequality**

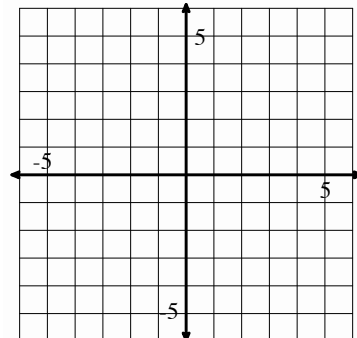


3. Graph the following inequalities

$$4y + 8y < -16$$



$$-4y - 8y \geq 16$$

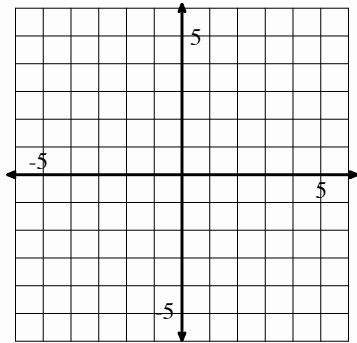


4. Decide if the following are a System of Equations or a System of Inequalities. Then, solve each system using algebra and by graphing.

$$\begin{cases} y = -\frac{1}{3}x + 1 \\ y = x - 3 \end{cases}$$

**S. of Equations or S. of Inequalities**

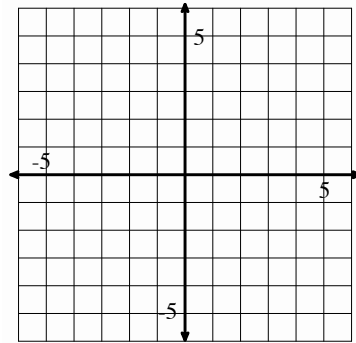
Solve Using Algebra



$$\begin{cases} y \leq -\frac{1}{3}x + 1 \\ y \geq x - 3 \end{cases}$$

**S. of Equations or S. of Inequalities**

Solve Using Algebra



5. Solve the following systems of equations using *any* algebraic method. Write what method you used to solve it

Method:

$$\begin{cases} y = \frac{2}{3}x + 2 \\ 4x + y = 16 \end{cases}$$

Method:

$$\begin{cases} y + 2x = 2 \\ -3x - 4y = 12 \end{cases}$$

6. Solve the following System of equation using **matrix** reduction

$$\begin{cases} 5x + y = 9 \\ 10x - 7y = -18 \end{cases}$$